

Rabbit anti-Human SPP1 Polyclonal Antibody | anti-SPP1 antibody

SPP1 Antibody (C-term)

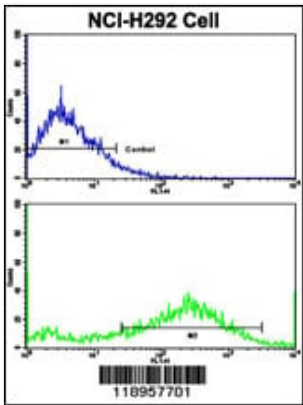
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283694	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

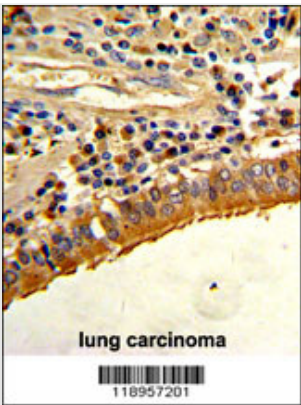
SPP1; Polyclonal Antibody; SPP1 Antibody (C-term); Osteopontin; Bone sialoprotein 1; Nephropontin; Secreted phosphoprotein 1; SPP-1; Urinary stone protein; Uropontin; BNSP; OPN; anti-SPP1 antibody

PRODUCT SPECIFICATIONS

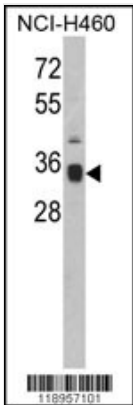
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SPP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 273-301 amino acids from the C-terminal region of human SPP1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	273-301
Sequence Length	300
Applicable Applications for anti-SPP1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of NCI-H292 cells using SPP1 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma with SPP1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of SPP1 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). SPP1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SPP1 antibody	SPP1 binds tightly to hydroxyapatite. The protein appears to form an integral part of the mineralized matrix and probably important to cell-matrix interaction. It acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity.
Product Categories/Family for anti-SPP1 antibody	Cancer; Cardiovascular; Developmental Biology; Signal Transduction
References	Macri,A., Tumori 95 (1), 48-52 (2009) Agnihotri,R., J. Biol. Chem. 276 (30), 28261-28267 (2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759166
NCBI GeneID	6696
NCBI Accession #	NP_000573.1; NP_001035147.1; NP_001035149.1; NP_001238758.1; NP_001238759.1
NCBI GenBank Nucleotide #	NM_000582.2
UniProt Accession #	P10451; Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1

Molecular Weight	35423
NCBI Official Full Name	osteopontin isoform OPN-b
NCBI Official Synonym Full Names	secreted phosphoprotein 1
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN; BNSP; BSPI; ETA-1
NCBI Protein Information	osteopontin
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	BNSP; OPN; SPP-1
UniProt Entry Name	OSTP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/spp1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283694>